| MMM MMM MMM | MMM MMM MMM | | AAAA | AAAA AAAA | AAA | AAAAA | 2222222222 22222222222 22222222222 | PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP | PPPPP |
|-------------------|-------------------|-----|--------|--------------|-----|----------|--|---|-------|
| MMMMM | | TTT | AAA | AAA | AAA | AAA | CCC | PPP | PPP |
| MMMMMM | | TTT | AAA | AAA | AAA | AAA | CCC | PPP | PPP |
| MMMMM | | TTT | AAA | AAA | AAA | AAA | CCC | PPP | PPP |
| MMM | MMM MMM | TTT | AAA | AAA | AAA | AAA | CCC | PPP | PPP |
| MMM | MMM MMM | TTT | AAA | AAA | AAA | AAA | ČČČ | PPP | PPP |
| PPPPP | MMM MMM | TTT | AAA | AAA | AAA | AAA | ČČČ | PPP | PPP |
| MMM | MMM | TTT | AAA | AAA | AAA | AAA | ČČČ | PPPPPPPP | |
| MMM | MMM | TTT | AAA | AAA | AAA | AAA | ČČČ | PPPPPPP | |
| MMM | MMM | TTT | AAA | AAA | AAA | AAA | ččč | PPPPPPP | |
| MMM | MMM | TTT | | AAAAAAA | | AAAAAAAA | ČČČ | PPP | |
| MMM | MMM | TTT | AAAAAA | AAAAAAA | | AAAAAAAA | ČČČ | PPP | |
| MMM | MMM | TTT | | AAAAAAA | | AAAAAAAA | ččč | PPP | |
| MMM | MMM | TTT | AAA | AAA | AAA | AAA | ččč | PPP | |
| MMM | MMM | ŤŤŤ | AAA | AAA | AAA | AAA | ČČČ | PPP | |
| MMP/ | MMM | ŤŤŤ | AAA | AAA | AAA | AAA | ččč | PPP | |
| MMM | MMM | ŤŤŤ | AAA | AAA | AAA | AAA | 2222222222 | PPP | |
| MMM | MMM | ŤŤŤ | AAA | AAA | AAA | AAA | 2222222222 | PPP | |
| MMM | MMM | ŤŤŤ | AAA | AAA | AAA | AAA | čččččččččččč | PPP | |

2222222

2222222

RE

| RRRRRRRR RRRRRRRRRRRRRRRRRRRRRRRRRRRRR | | \$ |
|--|--|--|
| | \$ | |

K 7

RE

MODULE REWSPC (LANGUAGE (BLISS32) .

BEGIN

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FACILITY: MTAACP

ABSTRACT:

This module rewinds a file and spaces within a file

ENVIRONMENT:

STARLET operating system, including privileged system services and internal exec routines.

AUTHOR: D. H. GILLESPIE, CREATION DATE: 6-AUG-1977

MODIFIED BY:

V03-003 ROW0258

Ralph O. Weber
21-NOV-1983
The Paul Painter Memorial Enhancement
Named for one of the unfortunate customers who suffered much to determine the great UCB\$L_MT_RECORD secret while trying to create a user-written magtape driver, this change eliminates use of the device dependent field, UCB\$L_MT_RECORD in favor of the device independent field, UCB\$L_RECORD.

REV

Page

ERR_EXIT(SS\$_FILNOTACC);

! if writing, then close out file

```
REWSPC
V04-000
                                                                                                            VAX-11 Bliss-32 V4.0-742
[MTAACP.SRCJREWSPC.B32:1
   IF NOT .CURRENT_WCB[WCB$V_READ]
                                       CLOSE_FILE();
                                    calculate which relative volume the beginning is on
                                  SEQ = .CURRENT_VCB[VCB$W_CUR_SEQ]:
                                                                                        ! file section number
                                  IF .SEQ EQL 1
THEN
                                       BEGIN
                                                                               ! currently in first file section
                                        IF .CURRENT_VCB[VCB$V_LOGICEOVS]
                                       THEN
                                            SPACE_TM(-4)
                                                                                         ! write case
                                       ELSE
                                            BEGIN
                                                                                        ! read case
                                            ! number of tape marks into current file section
                                            TM = .CURRENT_VCB[VCB$B_TM];
                                            IF .TM EQL O AND .HDR1[HD1$L_HD1LID] NEQ 'HDR1'
                                            THEN
                                                TM = 3:
                                            IF .TM GEQ 1
THEN
                                                   backspace to tape mark preceding start of data
                                                 SPACE_TM(-.TM);
                                            END:
                                       SPACE_TM(1);
HDR1[HD1$L_HD1LID] = 'HDR1';
                                                                                        ! pass over TM
                                       IF HDR2[HD2$L_HD2LID] NEQ O
                                            HDR2[HD2$L_HD2LID] = 'HDR2';
                                       END
                                  ELSE
                                       BEGIN
                                        ! current file number and section
                                      FID = .CURRENT_VCB[VCB$L_CUR_FID];

FID<16, 16> = T;

VOL = .CURRENT_VCB[VCB$B_CUR_RVN];

VOL = .VOL - .SEQ + 1;

POSITION_BY_FID(.FID, .VOL);
                                                                                           want section one current volume
                                                                                           calculate volume wanted
                                                                                          position to file section
                                       IF .CURRENT_VCB[VCB$B_TM] EQL 0
```

REW VO4

| REWSPC V04-000 | | | | C 8 16-Sep 14-Sep | -1984 02:31:54 -1984 12:46:49 | VAX-11 Bliss-32 V4.0-742 EMTAACP.SRCJREWSPC.B32;1 | Page 5 |
|---|--|----------|---|--|--|---|--|
| 217 218 219 220 221 221 223 | 0599 0600 0601 0602 0603 0604 0605 | END: | PACE_TM(1); | | | occess to the file | |
| | | | | | .TITLE RE | WSPC 704-000\ | |
| | | | | | | OSE_FILE, FORMAT_FID NEXT_VOL_READ DUNT_VOL, POSITION_BY_FID EAD_BLOCK, RESTORE_ACCESS PACE, SPACE_TM S\$GIOW, CURRENT_UCB JURRENT_WCB, HDR1 DR2, LOCAL_FIB D CHANNEL, IO_STATUS SER_STATUS, SYS\$CMKRNL | |
| | | | | | | CODES, NOWRT, 2 | |
| | | | 53 0000G CI 0000G CI 0000G CI 0000G CI 03 0B A0 52 26 AB | 040C 00000 9E 00002 D5 00007 12 0000B BF 0000D D0 00011 E8 00016 G 30 0001A 3C 0001D D1 00021 12 00024 E1 00026 CE 0002B 11 0002E 9A 00030 12 00034 D1 00036 13 0003F | TSTL CU BNEQ 1\$ | WIND_FILE, Save R2,R3,R10 ACE_TM, R3 URRENT_WCB 72 URRENT_WCB, R0 (R0), 2\$ OSE_FILE (CURRENT_VCB), SEQ Q, #1 | 0485 0537 0539 0544 0546 0550 0552 |
| | | 05 OB | AB 007 | 12 00024 E1 00026 CE 0002B | CMPL SE BNEQ 7\$ BBC #1 MNEGL #4 BRB 5\$ | , IIILUKKENI_VLB/, 33 | 0556 0558 |
| | | 31524448 | 50 2E AE 8F 0000G DI | 9A 00030 3\$: 12 00034 D1 00036 13 0003F | MOVZBL 46 BNEQ 4\$ CMPL ah BEQL 4\$ | (CURRENT_VCB), TM | 0564 0566 |
| | | | 50 03 50 7E 50 63 0 | D1 00036 13 0003F D0 00041 D5 00044 15 00046 CE 00048 FB 0004B 5\$: DD 0004E 6\$: FB 00050 D0 00053 D0 0005C 13 00061 D0 00063 11 0006A D0 0006C 7\$: F0 00070 | BRB 5\$ MOVZBL 46 BNEQ 4\$ CMPL 3H BEQL 4\$ MOVL #3 TSTL TM BLEQ 6\$ MNEGL TM CALLS #1 PUSHL #1 CALLS #1 MOVL #8 MOVL #8 MOVL #8 MOVL #8 BRB 8\$ MOVL 36 INSV #1 | (SP) . SPACE_TM | 0568 0570 0575 |
| | | 0000G | 63 | FB 00048 FB 0004E 6\$: FB 00050 D0 00053 D0 0005C 13 00061 D0 00063 11 0006A | PUSHL #1 CALLS #1 MOVL #8 MOVL HD | SPACE_TM 27475016, aHDR1 R2, R0 44252232, (R0) | 0579 0580 0582 |
| | 51 | 10 | 60 32524448 81 51 24 AI | 13 00061 00 00063 11 0006A 00 0006C 7\$: | BEQL 8\$ MOVL #8 BRB 8\$ MOVL 36 | 44252232, (RO) (CURRENT VCB), FID , #16, #T6, FID | 0584 0552 0592 0593 |

REW VO4

| REWSPC V04-000 | | | | | | D 8 16-Sep- 14-Sep- | 1984 02:31 1984 12:46 | :54 VAX-11 Bliss-32 V4.0-742 :49 [MTAACP.SRC]REWSPC.B32;1 | Page (2) |
|-------------------|-----------|----------------|----------|----------------------|-------------------------|----------------------------------|--|--|----------------------|
| | 52 | 50 50 50 | 2F 01 | AB 52 A2 50 | 9A 0 | 00075 00079 0007D 00081 | MOVZBL SUBL3 MOVAB PUSHL | 47(CURRENT VCB), VOL SEQ, VOL, R2 1(R2), VOL VOL | 0594 0595 0596 |
| | 0000G | CF | 2E | 51 02 AB 05 | DD 0 FB 0 95 0 | 00083 00085 0008A 0008D | PUSHL PUSHL CALLS TSTB BNEQ PUSHL CALLS CLRL PUSHL PUSHAB | FID #2. POSITION_BY_FID 46(CURRENT_VCB) 8\$ #1 | 0598 |
| | | 63 | | 01 7E 5F | DD 00 FB 00 DD 00 | 0008F 00091 00094 8\$: | PUSHL CALLS CLRL PUSHI | #1 SPACE_TM: -(SP) SP | 0600 |
| | 00000000G | 9F | 00006 | ĆF 03 | 9F 0 | 00098 0009C 000A3 | PUSHAB CALLS RET | RESTORE ACCESS #3, a#SYS\$CMKRNL | 0605 |

; Routine Size: 164 bytes, Routine Base: \$CODE\$ + 0000

; 224 0606 1

```
REWSPC
VO4-000
                                                                                                 VAX-11 Bliss-32 V4.0-742
EMTAACP.SRCJREWSPC.B32:1
                                                                                                                                              (3)
                 ROUTINE SETUP_END (TM) : COMMON_CALL NOVALUE =
   FUNCTIONAL DESCRIPTION:
                                   Setup at end of file
                            CALLING SEQUENCE:
                                   SETUP_END (ARG1)
                            INPUT PARAMETERS:
                                   ARG1 - number of tape marks to be spaced and direction
                            IMPLICIT INPUTS:
                                   CURRENT_UCB - address of current unit control block HDR1 - address of 'HDR1' and 'EOF1' label
                            OUTPUT PARAMETERS:
                                   none
                            IMPLICIT OUTPUTS:
                                   CURRENT_VCB[VCB$L_ST_RECORD]
                            ROUTINE VALUE:
                                   none
                            SIDE EFFECTS:
                                   none
                              BEGIN
                              EXTERNAL REGISTER
                                   COMMON_REG;
                              EXTERNAL ROUTINE
                                   LIB$CVT_DTB
                                                     : ADDRESSING_MODE (ABSOLUTE);
                              LOCAL
                                   BLOCK:
                               SPACE_TM(.TM);
                                                    ! space to end of file, right before end date TM
                               ! setup as if trailers had not been read
                               HDR1[HD1$L_HD1LID] = 'HDR1';
                               IF HDR2[HD2$L_HD2LID] NEQ 0
                                   HDR2[HD2$L_HD2LID] = 'HDR2';
                               IF NOT LIBSCVT_DTB(E01$S_BLOCKCNT, HDR1[E01$T_BLOCKCNT], BLOCK)
                                   ERR_EXIT(SS$_BLOCKCNTERR);
                               BLOCK = .CURRENT_UCB[UCB$L_RECORD] - .BLOCK;
```

**F

| REWSPC V04-000 | | | | | | | | 1 | F 8 6-Sep- 4-Sep- | 1984 02:31 1984 12:46 | 1:54 VAX-11 Bliss-32 V4.0-742 5:49 [MTAACP.SRC]REWSPC.B32;1 | Page (8) |
|-------------------|--------------|----|------------|----------------|-------------------|-------------------------|-------------------------|--|-------------------------|--|--|--------------|
| 283 284 | 0664 0665 | 2 | KERNEL_CAL | L(U | PD_ST_RECOR | RD. | .BLO | CK); | | | | |
| | | | | | | | | | | .EXTRN | LIB\$CVT_DTB | |
| | | | | | | (| 0000 | | SETUP | _END: | Save nothing | ; 0607 |
| | | | 00000 | 5E | 04 | AC | 00 | 00002 | | SUBL 2 PUSHL | M4, SP | : 0649 |
| | | | 0000G | CF DF 50 | 31524448 0000G | 8F CF | PB D00 13 | 00002 00005 00008 00000 00016 00018 | | MOVL | Save nothing #4, SP TM #1, SPACE TM #827475016, aHDR1 HDR2, R0 1\$ | 0653 0655 |
| | | | | | 32524448 | 07 8F | 13 00 00 | 0001B | | BEQL MOVL | #844232232, (RU) | 0657 0659 |
| | | 7E | 0000G | CF | | 36 | C1 | 00024 | 15: | ADDL3 | SP #54, HDR1, -(SP) | 0659 |
| | | | 0000000G | 9F 04 | | 03 | DD FB E8 BF DO | 0002E | | CALLS | #3, a#LIB\$CVT_DTB | • |
| | | 45 | 0000 | 50 C0 | 0940 0000G | 8F CF | BF | 0002C 0002E 00035 00038 | 2\$: | MOVL_ | #54, HDR1, -(SP) #6 #3, a#LIB\$CVT_DTB R0, 2\$ #2368 CURRENT_UCB, R0 BLOCK, T76(R0), BLOCK BLOCK | 0661 |
| | | 6E | 0080 | CO | | 6E | 0D 0D | 00041 00047 00049 | | PUSHL | BLOCK, 176(RO), BLOCK BLOCK | 0664 |
| | | | 00000000G | 9F | 0000v | A08FF7FE663058FFEE105F6 | 9F FB 04 | 0004B 0004D | | WORD SUBL2 PUSHL CALLS MOVL BEQL MOVL BEQL PUSHL PUSHL SUBLS CHMU MOVL SUBLS CHMU FUSHL PUSHL PUSHL PUSHL PUSHL PUSHL PUSHL PUSHL RET | SP UPD_ST_RECORD #4, a#Sys\$cMkRNL | 0665 |

Routine Base: \$CODE\$ + 00A4

; Routine Size: 89 bytes,

```
G 8
16-Sep-1984 02:31:54
14-Sep-1984 12:46:49
REWSPC
VO4-000
                                                                                                                                     VAX-11 Bliss-32 V4.0-742
[MTAACP.SRC]REWSPC.B32;1
                                    ROUTINE UPD_ST_RECORD (BLOCK) : COMMON_CALL NOVALUE =
                       06667
06667
06667
06677
06677
06677
06677
06677
06677
06687
06887
06887
0699
0699
0699
0699
0699
0699
0699
    FUNCTIONAL DESCRIPTION:
                                                This routine updates the start record count in the volume control block and sets the TM count to 1 because now positioned before end data TM
                                       CALLING SEQUENCE:

UPD_ST_RECORD(ARG1)

called in kernel mode
                                       INPUT PARAMETERS:
                                                ARG1 - new value of start record count
                                       IMPLICIT INPUTS:
                                                CURRENT_VCB
                                       OUTPUT PARAMETERS:
                                                none
                                       IMPLICIT OUTPUTS:
                                                CURRENT_VCB[VCB$L_ST_RECORD] = BLOCK
                                       ROUTINE VALUE:
                                                none
                                       SIDE EFFECTS:
                                                none
                                          BEGIN
                                          EXTERNAL REGISTER
                        0701
                                                COMMON_REG:
                        0702
0703
                                          CURRENT_VCB[VCB$B_TM] = 1;
CURRENT_VCB[VCB$L_ST_RECORD] = .BLOCK;
                        0704
0705
                                          END:
                                                                                   0000 00000 UPD_ST_RECORD:
                                                                                                                           Save nothing #1, 46(CURRENT_VCB)
                                                                                                                . WORD
                                                                                          00002
00006
00008
                                                                                     90
00
04
                                                                                                                MOVB
                                                                                AC
                                                                                                                            BLOCK, 48 (CURRENT_VCB)
                                                                                                                MOVL
                                                                                                                RET
; Routine Size: 12 bytes,
                                             Routine Base:
                                                                   SCODES + OOFD
```

0706 1

326

RW\

BLOCKS = .LOCAL_FIB(FIB\$L_CNTRLVAL);

RWY

```
REWSPC
VO4-000
                                                                                                          VAX-11 Bliss-32 V4.0-742
EMTAACP.SRCJREWSPC.B32;1
                                 IF .BLOCKS GTR O
   sign determines direction to space beginning of forward space
                                       BEGIN
                                      IF .BLOCKS<16, 16> NEQ 0 THEN
                                           ERR_EXIT(SS$_BADPARAM);
                                         can not space forward if writing
                                       IF NOT .CURRENT_WCB[WCB$V_READ]
THEN
                                           ERR_EXIT(SS$_BADPARAM);
                                         position to data in current file section
                                           .CURRENT_VCB[VCB$B_TM] EQL O
                                           .HDR1[HD1$L_HD1LID] EQL 'HDR1'
                                       THEN
                                           SPACE_TM(1);
                                      IF .CURRENT_VCB[VCB$B_TM] NEQ 1 THEN
                                           BEGIN
                                            IF .CURRENT_VCB[VCB$B_TM] EQL 2
                                           THEN
                                                TM = -1
                                           ELSE
                                                BEGIN
                                                IF .CURRENT_VCB[VCB$V_LOGICEOVS]
                                                THEN
                                                     IM = -3
                                                ELSE
                                                     TM = -2:
                                                END:
                                           SPACE_TM(.TM);
                                           END:
                                      WHILE 1
                                           BEGIN
                                                                                       ! forward space loop
                                            IF SPACE (.BLOCKS)
                                           THEN
                                                EXITLOOP:
                                           USER_STATUS<16, 16> = .USER_STATUS<16, 16> + .IO_STATUS<16, 16> - 1;
BLOCKS = .BLOCKS - .IO_STATUS<16, 16> + 1; ! TM counts
                                            IF NOT READ_BLOCK(.HDR1, ANSI_LBLSZ)
```

RUY

(5)

```
REWSPC
VO4-000
                                                                                                           VAX-11 Bliss-32 V4.0-742
[MTAACP.SRC]REWSPC.B32;1
                                                ERR_EXIT(SS$_TAPEPOSLOST);
   IF .HDR1[HD1$L_HD1LID] EQL 'EOF1' THEN
                                                BEGIN
SETUP END(-1);
KERNET CALL (RESTORE ACCESS);
ERR_EXIT(SSS_ENDOFFILE);
                                           IF .HDR1[HD1$L_HD1LID] NEQ 'EOV1' THEN
                                                ERR_EXIT(SS$_TAPEPOSLOST);
                                           GTNEXT_VOL_READ();
                                                                             ! get next volume in volume set
                                           IF .CURRENT_VCB[VCB$B_TM] EQL 0
                                                SPACE_TM(1);
                                           END:
                                      END
                                                                                       ! end of forward space loop
                                  ELSE
                                      BEGIN
                                                                                       ! begin of backspace
                                       IF .BLOCKS NEQ 0
                                       THEN
                                           BLOCKS = -(.BLOCKS);
                                       IF .BLOCKS<15, 17> NEQ 0
                                       THEN
                                           ERR_EXIT(SS$_BADPARAM);
                                         position to data if not there
                                       IF NOT .CURRENT_WCB[WCB$V_READ]
                                       THEN
                                           CLOSE_FILE();
                                       IF .CURRENT_VCB[VCB$V_LOGICEOVS]
                                           SETUP_END (-3)
                                      ELSE
                                           BEGIN
TM = .CURRENT_VCB[VCB$B_TM];
                                                                                       ! read case
                                           IF .TM EQL O AND .HDR1[HD1$L_HD1LID] EQL 'HDR1'
                                           THEN
                                               BEGIN
SPACE TM(1);
KERNET CALL (RESTORE ACCESS);
ERR_EXIT(SS$_BEGOFFILE);
                                                END:
                                           IF .TM EQL 0
```

RW\

: 1

BEGIN

RW\

: 1

```
REWSPC
VO4-000
                                                                                                                16-Sep-1984 02:31:54
14-Sep-1984 12:46:49
                                                                                                                                                          VAX-11 Bliss-32 V4.0-742
[MTAACP.SRC]REWSPC.832;1
                                                                                                                                                                                                                                  (5)
                                                                      SPACE_TM(-3);
SPACE_TM(1);
SETUP_AT_END();
KERNEL_CALL(FORMAT_FID, CURRENT_VCB[VCB$L_CUR_FID]);
                           0935
0937
0938
0938
0943
0944
0945
0946
0946
0947
0948
0951
0953
0955
0955
    55785556123555565556785577557767
                                                               ELSE
                                                                    BEGIN

FID<16, 16> = .SEQ - 1;

POSITION_BY_FID(.FID, .VOL);

TM = 2 - .CORRENT_VCB[VCB$B_TM];

SPACE_TM(.TM);

SETUP_AT_END();

END:
                                                               END:
                                                               END:
                                                                                                                ! end of while loop
                                                       END:
                                                                                                                ! end of forward and backward space
                                                 USER_STATUS<16, 16> = .USER_STATUS<16, 16> + .IO_STATUS<16, 16>;
                                                 KERNEL_CALL (RESTORE_ACCESS);
                                                                                                                                              SPACE_IN_FILE, Save R2,R3,R4,R5,R6,R7,R8,-
R9,R10
RESTORE_ACCESS, R10
HDR1, R9
IO_STATUS, R8
SPACE_TM, R7
a#SYS$CMKRNL, R6
                                                                                                07FC 00000
                                                                                                                                 .ENTRY
                                                                                                                                                                                                                                0707
                                                                                0000G
0000G
0000G
                                                                                                         00002
                                                                    5A
59
58
57
56
5E
                                                                                                   9E9E9E2512
                                                                                                                                 MOVAB
                                                                                                                                 MOVAB
                                                                                            CF
CF
9F
04
                                                                                                         0000C
                                                                                                                                 MOVAB
                                                                                                         00011
                                                                                                                                 MOVAB
                                                                                                        00016
0001b
00020
00024
                                                                         000000006
                                                                                                                                 MOVAB
                                                                                                                                               #4, SP
                                                                                                                                 SUBL2
                                                                                0000G
                                                                                                                                 TSTL
                                                                                                                                               CURRENT_WCB
                                                                                                                                                                                                                                0758
                                                                                                                                 BNEQ
                                                                                                        00026
0002A 15:
                                                                                0000G
                                                                                                   BF
DO
                                                                                                                                               #172
                                                                                                                                                                                                                                0760
0762
0764
                                                                                                                                 CHMU
                                                                                                                                               LOCAL FIB+24, BLOCKS
BLOCKS, RO
25
                                                                    6E
50
                                                                                                                                 MOVL
                                                                                                                                 MOVL
                                                                                                        00032
00034
00037 28:
                                                                                         00BF
                                                                                                                                 BRW
                                                                                                                                               BLOCKS+2
                                                                                                                                 TSTW
                                                                                                                                                                                                                                0768
                                                                                                                                 BEQL
                                                                                                                                 CHMU
                                                                                                                                               #20
                                                                                                                                                                                                                                0770
0775
                                                                                                   BF 00 E BF 5 12
                                                                                                        0003E 3$:
00043
00047
00049 4$:
                                                                    50
02
                                                                                0000G
0B
                                                                                                                                               CURRENT_WCB, RO
                                                                                                                                 MOVL
                                                                                                                                 BLBS
                                                                                                                                 CHMU
                                                                                                                                               #20
46(CURRENT_VCB)
                                                                                                                                                                                                                               0777
0782
                                                                                            AB
                                                                                    2E
                                                                                                                                 TSTB
                                                                                                         0004C
                                                                                                                                 BNEQ
                                                                                            B9
05
01
01
                                                                                                   D1
                                                                                                        0004E
00056
                                                 31524448
                                                                                    00
                                                                                                                                 CMPL
                                                                                                                                                                                                                                0784
                                                                                                                                               aHDR1, #827475016
                                                                                                                                 BNEQ
                                                                                                        00058
0005A
0005D 5$:
                                                                                                                                 PUSHL
                                                                                                                                                                                                                                0786
                                                                                                   DD
                                                                                                   FB
91
13
                                                                    67
                                                                                                                                 CALLS
                                                                                                                                               #1. SPACE TM
46(CURRENT_VCB), #1
                                                                                             AB
1D
AB
                                                                                    2E
                                                                                                                                                                                                                                0788
                                                                                                        00061
                                                                                                                                 BEQL
                                                                                    2E
                                                                                                                                                                                                                               0792
                                                                    02
                                                                                                                                 CMPB
                                                                                                                                               46(CURRENT_VCB), #2
```

RWY VO

RW'

| | | N 8 16-Sep-1984 02:31:54 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:46:49 [MTAACP.SRC]REWSPC.B32;1 | Page 16 (5) |
|----------------|---|--|----------------------|
| | 67 | 01 FB 0012D CALLS #1, SPACE_TM 7E D4 00130 CLRL -(SP) | . 0077 |
| | 66 4400 | 01 FB 0012D | 0873 |
| | 0938 | 8F BF 00139 CHMU #2360 | 0874 |
| | 52 | JE DJ OUTJU EUD. TSTE TM | 0877 |
| | 52 | 52 D1 00144 218: CMPL TM #2 08 19 00147 BLSS 23\$ | 0881 |
| | 6E FF | A2 9F 00149 PUSHAR -1(TM) | 0883 |
| FE47 | 6E CF 7E | 6E CE 0014C MNEGL (SP), (SP) 01 FB 0014F 22\$: CALLS #1, SETUP END 6E CE 00154 23\$: MNEGL BLOCKS, -(SP) 01 FB 00157 CALLS #1, SPACE | 0896 |
| 0000G | CF 03 | 6E CE 00154 23\$: MNEGL BLOCKS, -(SP) 01 FB 00157 CALLS #1, SPACE 50 E9 0015C BLBC R0, 24\$ 0089 31 0015F BRW 28\$ | |
| | 50 0000G | 01 fB 0014f 22\$: CALLS #1, \$ETUP_END 6E CE 00154 23\$: MNEGL BLOCKS, -(SP) 01 fB 00157 CALLS #1, SPACE 50 E9 0015C BLBC R0, 24\$ 0089 31 0015f BRW 28\$ CF 3C 00162 24\$: MOVZWL USER STATUS+2, R0 A8 3C 00167 MOVZWL IO_STATUS+2, R1 51 CO 0016B ADDL2 R1, R0 01 A3 0016E SUBW3 #1, R0, USER_STATUS+2 A8 3C 00174 MOVZWL IO_STATUS+2, R0 | 9900 |
| 00000 65 | 50 | A8 3C 00167 MOVZWL 10_STATUS+2, R1 51 CO 0016B ADDL2 R1, R0 | • |
| 0000G CF 50 | 50 02 | CF 3C 00162 248: MOVZWL USER STATUS+2, RO A8 3C 00167 MOVZWL 10 STATUS+2, R1 51 CO 0016B ADDL2 R1, RO 01 A3 0016E SUBW3 #1, RO, USER STATUS+2 A8 3C 00174 MOVZWL 10 STATUS+2, RO 50 C3 00178 SUBL3 RO, BLOCKS, RO A0 9E 0017C MOVAB 1(RO), BLOCKS | 0904 |
| 30 | 6E 01 55 24 54 26 | 50 C3 00178 SUBL3 RO, BLOCKS, RO A0 9E 0017C MOVAB 1(RO), BLOCKS AB D0 00180 MOVL 36(CURRENT_VCB), FID | . 0005 |
| | 50 00006 51 02 50 50 50 6E 6E 01 55 54 26 | AB 3C 00184 MOVZWL 38(CURRENT_VCB), SEQ | 0905 0906 0908 |
| | | 54 D1 00188 CMPL SEQ, #1 12 12 0018B BNEQ 25\$ 01 DD 0018D PUSHL #1 | 0915 |
| | 67 | 01 FB 0018F | 0916 |
| | 66 4400 | 8F BB 00194 PUSHR #^M <r10,sp> 03 FB 00198 CALLS #3, SYS\$CMKRNL</r10,sp> | • |
| | 0938 53 2F | AB 9A 0019F 25\$: MOVZBL 47(CURRENT_VCB), VOL | : 0917 : 0922 |
| 00000 | | 02 DD 001A3 PUSHL #2 73 9F 001A5 PUSHAB -(VOL) | 0923 |
| 0000G | CF | 02 FB 001A7 CALLS #2. MOUNT_VOL 7E 7C 001AC CLRQ -(SP) | 0929 |
| | | 02 DD 001A3 PUSHL #2 73 9F 001A5 PUSHAB -(VOL) 02 FB 001A7 CALLS #2, MOUNT_VOL 7E 7C 001AC CLRQ -(SP) 7E 7C 001AE CLRQ -(SP) 7E 7C 001BO CLRQ -(SP) 7E 7C 001B2 CLRQ -(SP) 7E 7C 001B2 CLRQ -(SP) | |
| | 7E 0218 | 02 DD 001A3 PUSHL #2 73 9F 001A5 PUSHAB -(VOL) 02 FB 001A7 CALLS #2, MOUNT_VOL 7E 7C 001AC CLRQ -(SP) 7E 7C 001BC CLRQ -(SP) 7E 7C 001B2 CLRQ -(SP) 7E 7C 001B4 PUSHL R8 8F 3C 001B6 MOVZWL #539, -(SP) CF DD 001BB PUSHL IO_CHANNEL 01 DD 001BF PUSHL #1 | |
| | 7E 021B 0000G | CF DD 001BB PUSHL 10 CHANNEL O1 DD 001BF PUSHL #1 | • |
| 000000006 | 9F 29 8F | 0C FB 001C1 CALLS #12, a#SYS\$QIOW 50 E9 001C8 BLBC STATUS, 26\$ | 0932 |
| 00000878 | 8F | 68 D1 001CB CMPL IO STATUS, #2168 20 12 001D2 BNEQ 26\$ | |
| | 7E 67 | 02 DD 001A3 PUSHL #2 73 9F 001A5 PUSHAB -(VOL) 02 FB 001A7 CALLS #2, MOUNT_VOL 7E 7C 001AC CLRQ -(SP) 7E 7C 001BC CLRQ -(SP) 7E 7C 001B2 CLRQ -(SP) 7E 7C 001B2 PUSHL R8 8F 3C 001B6 MOVZWL #539, -(SP) CF DD 001BB PUSHL IO_CHANNEL 01 DD 001BF PUSHL #1 0C FB 001C1 CALLS #12, a#SYS\$QIOW 50 E9 001C8 BLBC STATUS, 26\$ 68 D1 001CB CMPL IO_STATUS, #2168 20 12 001D2 BNEQ 26\$ 03 CE 001D4 MNEGL #3, -(SP) 01 FB 001D7 CALLS #1, SPACE_TM 01 DD 001BA PUSHL #1 01 FB 001DC CALLS #1, SPACE_TM 01 FB 001DC CALLS #0, SETUP_AT_END 00 FB 001DF CALLS #0, SETUP_AT_END 01 DD 001E7 PUSHL #1 | 0935 |
| 0000 | 67 CF | 01 DD 001DA PUSHL #1 01 FB 001DC CALLS #1, SPACE_TM | 0936 |
| 0000v | CF 24 | 01 DD 001DA PUSHL #1 01 FB 001DC CALLS #1, SPACE_TM 00 FB 001DF CALLS #0, SETUP_AT_END AB 9F 001E4 PUSHAB 36(CURRENT_VCB) 01 DD 001E7 PUSHL #1 | 0937 0938 |

RWI VO

| REWSPC V04-000 | | | | B 9 16-Sep-1984 02:31:54 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:46:49 [MTAACP.SRC]REWSPC.B32;1 | Page 17 (5) |
|-------------------|----------|--|--|---|--|
| 55 | 10 52 | 66 50 10 0000G CF 52 02 0000V CF 0000G CF | 0000G CF 044 FF A44 553 502 AB2 501 000 FF 39 02 7E 4400 8F 03 | DD 001E9 9F 001EB FB 001EF 11 001F2 9E 001F4 26\$: | 0932 0942 0943 0944 0945 0946 0887 0954 0955 |

RWV VO4

; Routine Size: 555 bytes. Routine Base: \$CODE\$ + 0109

; 578 0957 1

```
16-Sep-1984 02:31:54
14-Sep-1984 12:46:49
REWSPC
VO4-000
                                                                                                         VAX-11 Bliss-32 V4.0-742
EMTAACP.SRCJREWSPC.B32;1
                                                                                                                                                    Page
                   ROUTINE SETUP_AT_END : COMMON_CALL NOVALUE =
   !++
                               FUNCTIONAL DESCRIPTION:
                                      This routine makes the current file section current and positions at end of this file section's data
                               CALLING SEQUENCE:
                                      SETUP_AT_END()
                               INPUT PARAMETERS:
                                      none
                               IMPLICIT INPUTS:
                                      none
                               OUTPUT PARAMETERS:
                                      norie
                               IMPLICIT OUTPUTS:
                                      file section made current
                                      start record of data section calculated
                               ROUTINE VALUE:
                                      none
                               SIDE EFFECTS:
                                      none
                                 BEGIN
                                 EXTERNAL REGISTER
                                      COMMON_REG;
                                 IF NOT READ_BLOCK(.HDR1, ANSI_LBLSZ)
                                 THEN
                                      ERR_EXIT(SS$_TAPEPOSLOST);
                                 IF .HDR1[E01$L_E01LID] NEQ 'EOV1'
                                 THEN
                                      ERR_EXIT(SS$_TAPEPOSLOST);
                                 SETUP_END(-1);
                                 END;
```

7E

0000G CF

00006

: 0958 : 0995 RW\

| REWSPC V04-000 | | | | | | 15 | Sep- Sep- | 1984 02:3 1984 12:4 | 1:54 | VAX-11 Bliss-32 V4.0-742 [MTAACP.SRC]REWSPC.B32;1 | Page |
|-------------------------|---------------------------------------|--------------------------|-----------------------|----------------------------|--------------------------|---|--------------|---|--|--|------|
| | 3156 | 04 4F45 8F FD43 CF | 0224 0000G 0224 | 50 8F 04 8F 01 | ESF D13F CFB 04 | 0000F 00012 00016 0001F 00021 00025 00028 | 1\$: 2\$: | BLBS CHMU CMPL BEQL CHMU MNEGL CALLS RET | RO 15 #548 aHDR1, 2\$ #548 #1, -0 | #827739973 (SP) ETUP_END | 10 |
| : Routine Size: | | utine Base: | \$CODE\$ | + 03 | | 00020 | | KET | | | ; 10 |
| : 627 : 628 : 629 | 1005 1 END 1006 1 1007 0 ELUDOM | | | | | | | | | | |

RWV VO4

PSECT SUMMARY

Name Bytes

Attributes

\$CODE\$

866 NOVEC, NOWRT, RD , EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File Total Loaded Percent Mapped Time

\$255\$DUA28:[SYSLIB]LIB.L32;1 18619 28 0 1000 00:01.9

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: REWSPC/OBJ=OBJ\$: REWSPC MSRC\$: REWSPC/UPDATE=(ENH\$: REWSPC)

Size: 866 code + 0 data bytes
Run Time: 00:17.9
Elapsed Time: 00:37.9
Lines/CPU Min: 3367
Lexemes/CPU-Min: 17073
Memory Used: 197 pages
Compilation Complete

0256 AH-BT13A-SE VAX/VMS V4.0

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